

Notice of Allowability	Application No.	Applicant(s)	
	10/026,172	FUJISAWA ET AL.	
	Examiner	Art Unit	
	Pierre-Louis Desir	2681	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/03/2006.
2. ☒ The allowed claim(s) is/are 1,6-15,17,20-22,24 and 25.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>11/09/06</u>. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|

DETAILED ACTION
EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given By Mark P. Watson (Registration Number 31,448) on 11/09/2006.

The application has been amended as follows:

In the claims:

Claim 1 (Currently amended). A wrist-watch device having a wireless communication function, comprising:

a timepiece module including a mechanically driven time display member that displays the time;

a wireless communication circuit that transmits and receives data to and from an external wireless device by wireless communication, said wireless communication circuit including memory that stores non-display data;

a timepiece control unit that controls said time display member to display non-time information in accordance with said stored data;

a timer that counts a predetermined time period and wherein said timepiece control unit is responsive to said timer counting to an end of said predetermined time period for controlling said time display member to display non-time information in accordance with said stored data;

a comparator unit that compares a value of said stored data with a value of predetermined data, and that generates comparison result data; and

wherein said timepiece control unit controls said time display member to display non-time information in accordance with said comparison result data;

wherein said time display member comprises a second hand and said timepiece control unit controls said second hand to perform an irregular movement in accordance with said comparison result data;

wherein said timepiece control unit controls said second hand to move a predetermined distance in accordance with said stored data; and

wherein said timepiece control unit controls said second hand to restart displaying time after a predetermined period following movement of said second hand said predetermined distance.

Claims 2-5 (Cancelled)

Claim 6 (Currently amended). A wrist-watch device having a wireless communication function according to claim 1 3, wherein said timepiece control unit controls said second hand to move to a predetermined position in accordance with said stored data.

Claim 7 (Previously presented). A wrist-watch device having a wireless communication function according to claim 1, wherein said timepiece control unit controls said time display member to display information in accordance with said comparison result data when the value of said stored data is less than the value of said predetermined data, and said timepiece control unit is responsive to an updating signal transmitted from said external wireless device for updating the value of said predetermined data.

Claim 8 (Original). A wrist-watch device having a wireless communication function according to claim 1, wherein said wireless communication circuit is responsive to a polling signal from the external wireless device for transmitting a communication enable signal indicating that wireless communication is to be performed with the external wireless device.

Claim 9 (Original). A wrist-watch device having a wireless communication function according to claim 1, further comprising a housing and a switch positioned on said housing and

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wherein said timepiece control unit is responsive to actuation of said switch for controlling said time display member to display information in accordance with said stored data.

Claim 10 (Original). A wrist-watch device having a wireless communication function according to claim 1, wherein said time display member comprises a first dial that displays at least one of the day of the week and the day of the month and said timepiece control unit controls said first dial to display information in accordance with said stored data.

Claim 11 (Original). A wrist-watch device having a wireless communication function according to claim 1, wherein said time display member comprises a first dial that displays time, and a separate second dial that displays at least one of the day of the week and the day of the month and said timepiece control unit controls said second dial to display information in accordance with said stored data.

Claim 12 (Original). A wrist-watch device having a wireless communication function according to claim 1, wherein said time display member comprises a stop-watch indicator hand and a stop-watch dial that displays measured time, and said timepiece control unit controls said stop-watch indicator hand to display information in accordance with said stored data.

Claim 13 (Original). A wrist-watch device having a wireless communication function according to claim 1, wherein said wireless communication circuit comprises an IC chip including a communicator that modulates and demodulates data, and a controller that controls individual elements.

Claim 14 (Previously presented). A wrist-watch device having a wireless communication function according to claim 1, wherein said wireless communication circuit comprises a power supply voltage generator that receives a signal from said external wireless device and that generates a power supply voltage from said received signal, and said timepiece control unit reads data from said wireless communication circuit by using said generated power, and including a battery for powering said time display member to display said non-time information.

Claim 15 (Original). A wrist-watch device having a wireless communication function according to claim 1, wherein said memory stores prepaid card data.

Claim 16 (Cancelled).

Claim 17(Currently amended). An information display method for use in a wrist-watch device having a wireless communication function, said wrist-watch device comprising a timepiece module including a mechanically driven time display member that displays the time, and a wireless communication circuit that transmits and receives data to and from an external wireless device by wireless communication, said wireless communication circuit including memory that stores non-time data; said information display method comprising the steps of:

reading said stored data from said wireless communication circuit in response to an instruction signal;

comparing a value of said stored data with a value of predetermined data;

generating comparison result data; and

controlling said time display member to display non-time information in accordance with said comparison result data; and

wherein said time display member comprises a second hand, and further comprising:

controlling said second hand to perform an irregular movement in accordance with said comparison result data;

controlling said second hand to move a predetermined distance in accordance with said stored data; and

controlling said second hand to restart displaying time after a predetermined period following movement of said second hand said predetermined distance.

Claims 18-19 (Cancelled).

Claim 20 (Original). An information display method for use in a wrist-watch device having a wireless communication function according to claim 17, wherein said wrist-watch device comprises a switch, the method further comprising:

activating said switch; and

controlling said time display member to display information in accordance with said stored data in response to activation of said switch.

Claim 21 (Original). An information display method for use in a wrist-watch device having a wireless communication function according to claim 17, further comprising:

restarting time display after controlling said time display member to display information in accordance with said stored data for a predetermined period.

Claim 22 (Currently amended). A ~~recording~~ computer readable medium for storing a control program executable by a computer for controlling a wrist-watch device having a wireless communication function, said wrist-watch device comprising a timepiece module including a mechanically driven time display member that displays the time, and a wireless communication circuit that transmits and receives data to and from an external wireless device by wireless communication, said wireless communication circuit including memory that stores non-time data; said control program executing a method comprising the steps of:

detecting an instruction from an external source;
reading said data from said wireless communication circuit based on said instruction;
comparing a value of said stored data with a value of predetermined data;
generating comparison result data; and
controlling said time display member to display non-time information in accordance with said comparison result data; and

wherein said time display member comprises a second hand, and further comprising:
controlling said second hand to perform an irregular movement in accordance with said comparison result data;

controlling said second hand to move a predetermined distance in accordance with said stored data; and

controlling said second hand to restart displaying time after a predetermined period following movement of said second hand said predetermined distance.

Claim 23 (Cancelled).

Claim 24 (Currently amended). A ~~recording~~ computer readable according to claim 22, wherein said wrist-watch device comprises a switch, the method further comprising:
activating said switch; and
said detection of said instruction is in response to activation of said switch.

Claim 25 (Currently amended). A ~~recording~~ computer readable according to claim 22, wherein the method further comprises:
restarting time display after controlling said time display member to display information in accordance with said stored data for a predetermined period.

Claim 26 (Cancelled).

(END OF AMENDMENT)

Allowable Subject Matter

2. Claims 1, 6-15, 17, 20-22, and 24-25 are allowed.

The following is an examiner's statement of reasons for allowance: Independent claims 1, 17, and 22 establish a wrist-watch device having a wireless communication function, comprising a timepiece module, which includes a time display member, a timepiece control unit; a timer that counts a predetermined time period and wherein said timepiece control unit is responsive to said timer counting to an end of said predetermined time period for controlling said time display member to display non-time information; a comparator; and a wireless communication circuit. The time display member comprises a second hand and the timepiece control unit controls the second hand to perform an irregular movement in accordance with a comparison result data generated by the comparator, wherein the timepiece control unit controls the second hand to move a predetermined distance in accordance with stored data that is stored in the memory of the

wireless communication circuit, and wherein the timepiece control unit also controls the second hand to restart displaying time after a predetermined period following movement of the second hand said predetermined distance.

This limitation is neither disclosed nor suggested in the reference of Engelmann (U.S. Patent No. 6335906), Lee (U.S. Patent No. 5475377), Nomura et al. (U.S. Patent No. 4223522), Sakumoto et al. (U.S. Patent No. 6449583

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pierre-Louis Desir whose telephone number is (571) 272-779. The examiner can normally be reached on Monday-Friday 8:00AM- 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Pierre-Louis Desir
11/09/2006

JEAN GELIN
PRIMARY EXAMINER

